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September 30, 2021

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of August 2021.

Sincerely,

Katie M Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Andrew Bateman, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

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Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		AUGUST 2021
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	171,293,540
	MWH sales:		
2	Total System Sales		6,688,267
3	Less intersystem sales		563,391
4	Total sales less intersystem sales		6,124,876
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.7967
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.2286
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		979,526
8	Oil		20,134
9	Natural Gas - Combustion Turbine		185,615
10	Natural Gas - Combined Cycle		2,100,676
11	Biogas		401
12	Total Fossil		3,286,352
13	Nuclear		2,670,896
14	Hydro - Conventional		47,012
15	Solar Distributed Generation		23,163
16	Total MWH generation		6,027,423

Notes:
Detail amounts may not add to totals shown due to rounding.

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DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		AUGUST 2021
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	35,950,969
0501310 fuel oil consumed - steam		317,170
Total Steam Generation - Account 501		36,268,139
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,027,295
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		11,646,031
0547000 natural gas capacity - Combustion Turbine		1,268,713
0547000 natural gas consumed - Combined Cycle		50,479,451
0547000 natural gas capacity - Combined Cycle		10,863,548
0547106 biogas consumed - Combined Cycle		22,518
0547200 fuel oil consumed		3,080,378
Total Other Generation - Account 547		77,360,639
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		49,455,037
Fuel and fuel-related component of DERP purchases		109,384
PURPA purchased power capacity		10,577,582
DERP purchased power capacity		30,679
Total Purchased Power and Net Interchange - Account 555		60,172,682
Less:		
Fuel and fuel-related costs recovered through intersystem sales		20,928,310
Solar Integration Charge		(35)
Miscellaneous Fees Collected		-
Total Fuel Credits - Accounts 447/456		20,928,275
Total Costs Included in Base Fuel Component	$	168,900,480
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	2,919
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		2,618,165
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		180,992
Less emissions expense recovered through intersystem sales - Account 447		47,032
Total Costs Included in Environmental Component		2,393,060
Fuel and Fuel-related Costs excluding DERP incremental costs	$	171,293,540
DERP Incremental Costs		326,755
Total Fuel and Fuel-related Costs	$	171,620,295

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

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DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		AUGUST 2021
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	13,012
Shared Solar Program		1,202
Total DERP Avoided Costs	$	14,215
DERP Incremental Costs		
Purchased Power Agreements		9,247
DERP NEM Incentive		189,743
Solar Rebate Program - Amortization		51,499
Solar Rebate Program - Carrying Costs		39,176
Shared Solar Program		8,703
NEM Avoided Capacity Costs		505
NEM Meter Costs		11,935
General and Administrative Expenses		15,905
Interest on under-collection due to cap		43
Total DERP Incremental Costs	$	326,755

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

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DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

Schedule 3, Purchases
Page 1 of 2

AUGUST 2021

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	**$**	**$**	**mWh**	**Fuel $**	**Non-fuel $**
Broad River Energy, LLC	$ 9,198,656	$ 3,303,833	108,737	$ 5,894,823	-
City of Fayetteville	3,051,670	2,997,500	1,464	54,170	-
DE Carolinas - Native Load Transfer	1,848,019	-	44,252	1,849,410	$ (1,391)
DE Carolinas - Native Load Transfer Benefit	254,207	-	-	254,207	-
Haywood EMC	28,000	28,000	-	-	-
NCEMC	8,177,226	6,277,831	37,292	1,899,395	-
PJM Interconnection, LLC	(697)	-	-	(697)	-
Southern Company Services	14,176,923	3,087,174	259,745	11,089,749	-
Energy Imbalance	27,966	-	654	27,075	891
Generation Imbalance	11,087	-	305	7,484	3,603
	$ 36,773,057	**$ 15,694,338**	**452,449**	**$ 21,075,616**	**$ 3,103**
Act 236 PURPA Purchases					
DERP Qualifying Facilities	$ 151,576	-	3,724	$ 151,576	-
Other Qualifying Facilities	22,882,607	-	354,228	22,882,607	-
Renewable Energy	16,028,342	-	232,800	16,028,342	-
Competitive Procurement Renewable Energy	46,053	-	1,776	46,053	-
	$ 39,108,578	**-**	**592,528**	**$ 39,108,578**	**-**
Total Purchased Power	**$ 75,881,635**	**$ 15,694,338**	**1,044,977**	**$ 60,184,194**	**$ 3,103**

NOTE: Detail amounts may not add to totals shown due to rounding.

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DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

AUGUST 2021

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
DE Carolinas - As Available Capacity	$ 97,661	$ 97,661	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	1,419,765	652,500	15,749	$ 662,981	$ 104,284
PJM Interconnection, LLC	(2,904)	-	-	-	(2,904)
Other:					
DE Carolinas - Native Load Transfer	20,514,460	-	547,595	19,228,288	1,286,172
DE Carolinas - Native Load Transfer Benefit	1,264,963	-	-	1,264,963	-
Generation Imbalance	167	-	47	101	66
Total Intersystem Sales	**$ 23,294,112**	**$ 750,161**	**563,391**	**$ 21,156,333**	**$ 1,387,618**

* Sales for resale other than native load priority.
NOTE: Detail amounts may not add to totals shown due to rounding.

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Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
AUGUST 2021

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					6,124,876,145
2	DERP Net Metered kWh generation	Input					2,889,187
3	Adjusted System kWh sales	L1 + L2					6,127,765,332
4	Actual S.C. Retail kWh sales	Input	200,497,499	27,706,519	387,236,129	6,157,467	621,597,614
5	DERP Net Metered kWh generation	Input	1,810,240	46,894	1,032,053		2,889,187
6	Adjusted S.C. Retail kWh sales	L4 + L5	202,307,739	27,753,413	388,268,182	6,157,467	624,486,801
7	Actual S.C. Demand units (kw)	L32 / 31b *100			678,471		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$146,050,573
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$65,127
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$146,115,700
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.384
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,823,999	$661,776	$9,258,200	$146,824	$14,890,799
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($29,779)	($4,119)	($31,229)	$0	($65,127)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,794,220	$657,657	$9,226,971	$146,824	$14,825,672
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	1.874	1.874	1.874	1.874	1.874
	Rate Changes:						
	15a New approved rates	Input	1.874	1.874	1.874	1.874	
	15b Ratios of days to rate	Input	99.97%	99.82%	99.34%	99.95%	
	15c Prior approved rates	Input	1.887	1.887	1.887	1.887	
	15d Ratio of days to rate	Input	0.03%	0.18%	0.66%	0.05%	
	15e Total prorated ¢/KWH	(L15a*L15b) + (L15c * L15d)	1.874	1.874	1.874	1.874	1.874
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,756,380	$519,227	$7,257,136	$115,391	$11,648,134
17	DERP NEM incentive - fuel component	Input	$1,156	$160	$1,213	$0	$2,529
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,757,536	$519,387	$7,258,349	$115,391	$11,650,663
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	$1,036,684	$138,270	$1,968,622	$31,433	$3,175,009
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	**$1,036,684**	**$138,270**	**$1,968,622**	**$31,433**	**$3,175,009**
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.526	0.526			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			163		
23	Incurred S.C. base fuel - capacity expense	Input	$1,053,833	$145,769	$1,105,161		$2,304,763
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.462	0.580			
	Rate Changes:						
	24a.1 New approved rates	Input	0.462	0.580			
	24a.2 Ratios of days to rate	Input	99.97%	99.82%			
	24a.3 Prior approved rates	Input	0.528	0.358			
	24a.4 Ratio of days to rate	Input	0.03%	0.18%			
	24a.5 Total prorated ¢/KWH	(L24a.1*L24a.2) + (L24a.3 * L24a.4)	0.462	0.580			
24b	Billed base fuel - capacity rate (¢/kW)	Input			157		
	Rate Changes:						
	24b.1 New approved rates	Input			157		
	24b.2 Ratios of days to rate	Input			99.34%		
	24b.3 Prior approved rates	Input			108		
	24b.4 Ratio of days to rate	Input			0.66%		
	24b.5 Total prorated ¢/KW	(L24b.1*L24b.2) + (L24b.3 * L24b.4)			157		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$925,694	$160,588	$1,063,297	$0	$2,149,579
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	$128,139	($14,819)	$41,864	$0	$155,184
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	**$128,139**	**($14,819)**	**$41,864**	**$0**	**$155,184**

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Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
AUGUST 2021

			Total Residential	General Service Non-Demand	Demand	Lighting	Total
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.055	0.055			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			17		
30	Incurred S.C. environmental expense	Input	$111,048	$15,360	$116,457		$242,865
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.005	0.015			
	Rate Changes:						
	31a.1 New approved rates	Input	0.005	0.015			
	31a.2 Ratios of days to rate	Input	99.97%	99.82%			
	31a.3 Prior approved rates	Input	0.021	0.012			
	31a.4 Ratio of days to rate	Input	0.03%	0.18%			
	31a.5 Total prorated ¢/KWH	(L31a.1*L31a.2) + (L31a.3 * L31a.4)	0.005	0.015			
31b	Billed environmental rate (¢/kW)	Input			4		
	Rate Changes:						
	31b.1 New approved rates	Input			4		
	31b.2 Ratios of days to rate	Input			99.34%		
	31b.3 Prior approved rates	Input			6		
	31b.4 Ratio of days to rate	Input			0.66%		
	31b.5 Total prorated ¢/KW	(L31b.1*L31b.2) + (L31b.3 * L31b.4)			4		
32	Billed S.C. environmental revenue	L31a * L4 /100	$9,962	$4,154	$ 27,228		$41,344
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	$101,086	$11,206	$89,229	$0	$201,521
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	**$101,086**	**$11,206**	**$89,229**	**$0**	**$201,521**
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.003	0.003			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	$6,500	$899	$6,816		$14,215
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.004			
	Rate Changes:						
	38a.1 New approved rates	Input	0.003	0.004			
	38a.2 Ratios of days to rate	Input	99.97%	99.82%			
	38a.3 Prior approved rates	Input	0.002	0.001			
	38a.4 Ratio of days to rate	Input	0.03%	0.18%			
	38a.5 Total prorated ¢/KWH	(L38a.1*L38a.2) + (L38a.3 * L38a.4)	0.003	0.004			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			1		
	Rate Changes:						
	38b.1 New approved rates	Input			1		
	38b.2 Ratios of days to rate	Input			99.34%		
	38b.3 Prior approved rates	Input			2		
	38b.4 Ratio of days to rate	Input			0.66%		
	38b.5 Total prorated ¢/KW	(L38b.1*L38b.2) + (L38b.3 * L38b.4)			1		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,971	$1,107	$6,828		$13,906
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	$529	($208)	($12)	$0	$309
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	**$529**	**($208)**	**($12)**	**$0**	**$309**
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	**$1,266,438**	**$134,449**	**$2,099,703**	**$31,433**	**$3,532,023**

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Cumulative (over) / under recovery - **BASE FUEL NON-CAPACITY**	**Cumulative**	**Total Residential**	**General Service Non-Demand**	**Demand**	**Lighting**	**Total**
Balance ending February 2021	$10,892,003	5,429,351	468,956	4,889,765	103,931	10,892,003
March 2021 - actual	10,684,199	(89,214)	(9,718)	(106,292)	(2,580)	(207,804)
April 2021 - actual	10,033,278	(193,518)	(28,845)	(420,114)	(8,444)	(650,921)
May 2021 - actual	12,543,282	711,542	104,099	1,658,133	36,230	2,510,004
June 2021 - actual	14,049,424	474,479	66,073	946,736	18,854	1,506,142
July 2021 - actual	15,898,751	648,783	86,388	1,093,436	20,720	1,849,327
August 2021 - actual	19,073,760	1,036,684	138,270	1,968,622	31,433	3,175,009
September 2021 - forecast	17,574,267	(536,303)	(63,650)	(878,696)	(20,844)	(1,499,493)
October 2021 - forecast	15,538,957	(618,034)	(93,693)	(1,292,762)	(30,821)	(2,035,310)
November 2021 - forecast	15,200,254	(104,266)	(15,493)	(213,801)	(5,143)	(338,703)
December 2021 - forecast	16,018,629	304,553	33,984	468,581	11,257	818,375
January 2022 - forecast	16,855,888	337,595	33,040	455,700	10,924	837,259
February 2022 - forecast	16,979,109	50,298	4,818	66,514	1,591	123,221
March 2022 - forecast	17,104,715	46,754	5,212	71,918	1,722	125,606
April 2022 - forecast	16,203,932	(313,384)	(38,837)	(535,715)	(12,847)	(900,783)
May 2022 - forecast	15,886,663	(95,605)	(14,663)	(202,160)	(4,841)	(317,269)
June 2022 - forecast	$16,276,323	135,945	16,769	231,440	5,506	389,660
		7,225,660	692,710	8,201,305	156,648	16,276,323

Cumulative (over) / under recovery - **BASE FUEL CAPACITY**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	$5,044,753	1,223,539	181,264	3,639,950	-	5,044,753
March 2021 - actual	5,042,812	(143,103)	39,099	102,063	-	(1,941)
April 2021 - actual	5,585,129	186,048	61,096	295,173	-	542,317
May 2021 - actual	6,269,253	303,937	64,155	316,032	-	684,124
June 2021 - actual	6,506,915	14,070	33,286	190,306	-	237,662
July 2021 - actual	7,210,840	244,280	42,063	417,582	-	703,925
August 2021 - actual	7,366,024	128,139	(14,819)	41,864	-	155,184
September 2021 - forecast	6,751,992	(145,904)	(31,635)	(436,493)	-	(614,032)
October 2021 - forecast	6,545,527	126,293	(22,198)	(310,560)	-	(206,465)
November 2021 - forecast	6,568,503	119,422	(17,838)	(78,608)	-	22,976
December 2021 - forecast	5,768,225	(222,244)	(33,166)	(544,868)	-	(800,278)
January 2022 - forecast	4,882,205	(389,199)	(37,644)	(459,177)	-	(886,020)
February 2022 - forecast	4,127,821	(379,348)	(32,873)	(342,163)	-	(754,384)
March 2022 - forecast	3,900,077	(72,314)	(12,294)	(143,136)	-	(227,744)
April 2022 - forecast	3,832,287	52,409	(7,949)	(112,250)	-	(67,790)
May 2022 - forecast	3,791,762	178,459	(13,208)	(205,776)	-	(40,525)
June 2022 - forecast	$3,375,276	(78,884)	(26,552)	(311,050)	-	(416,486)
		1,145,600	170,787	2,058,889	-	3,375,276

Cumulative (over) / under recovery - **ENVIRONMENTAL**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	($348,874)	(289,820)	(24,096)	(34,958)	0	(348,874)
March 2021 - actual	(370,923)	(10,494)	1,297	(12,852)	0	(22,049)
April 2021 - actual	(417,815)	(19,133)	(856)	(26,903)	0	(46,892)
May 2021 - actual	(364,529)	28,726	5,234	19,326	0	53,286
June 2021 - actual	(216,533)	68,730	11,233	68,033	0	147,996
July 2021 - actual	(15,048)	94,903	13,098	93,484	0	201,485
August 2021 - actual	186,473	101,086	11,206	89,229	0	201,521
September 2021 - forecast	290,646	59,013	5,796	39,364	0	104,173
October 2021 - forecast	342,472	35,228	2,308	14,290	0	51,826
November 2021 - forecast	409,261	38,807	3,049	24,933	0	66,789
December 2021 - forecast	585,231	91,611	10,656	73,703	0	175,970
January 2022 - forecast	855,172	132,504	16,486	120,951	0	269,941
February 2022 - forecast	1,104,468	122,021	15,061	112,214	0	249,296
March 2022 - forecast	1,151,160	29,651	2,089	14,952	0	46,692
April 2022 - forecast	1,172,422	18,456	437	2,369	0	21,262
May 2022 - forecast	1,215,676	30,195	1,791	11,268	0	43,254
June 2022 - forecast	$1,287,553	42,823	3,664	25,390	0	71,877
		574,307	78,453	634,793	0	1,287,553

Cumulative (over) / under recovery - **DERP AVOIDED COSTS**	**Cumulative**	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2021	(19,309)	(15,563)	510	(4,256)	-	(19,309)
March 2021 - actual	(30,648)	(799)	179	(10,719)	-	(11,339)
April 2021 - actual	(32,187)	3,561	690	(5,790)	-	(1,539)
May 2021 - actual	(27,598)	6,523	1,049	(2,983)	-	4,589
June 2021 - actual	(26,468)	4,740	851	(4,461)	-	1,130
July 2021 - actual	(32,855)	(579)	(71)	(5,737)	-	(6,387)
August 2021 - actual	(32,546)	529	(208)	(12)	-	309
September 2021 - forecast	(36,566)	(1,010)	(274)	(2,736)	-	(4,020)
October 2021 - forecast	(38,531)	492	(247)	(2,210)	-	(1,965)
November 2021 - forecast	(40,231)	(99)	(289)	(1,312)	-	(1,700)
December 2021 - forecast	(47,861)	(2,605)	(429)	(4,596)	-	(7,630)
January 2022 - forecast	(55,110)	(3,254)	(399)	(3,596)	-	(7,249)
February 2022 - forecast	(61,289)	(3,087)	(354)	(2,738)	-	(6,179)
March 2022 - forecast	(62,335)	(307)	(111)	(628)	-	(1,046)
April 2022 - forecast	(60,096)	1,530	61	648	-	2,239
May 2022 - forecast	(54,454)	3,821	229	1,592	-	5,642
June 2022 - forecast	(54,403)	707	(60)	(596)	-	51
		(5,400)	1,127	(50,130)	-	(54,403)

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Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
AUGUST 2021

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$149,406	$107,827	$69,522	$326,755
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.99	3.51	99.47	
46	Billed S.C. DERP incremental revenue	Input	$139,544	$115,218	$27,006	$281,768
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	9,862	($7,391)	$42,516	$44,987
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	**$9,862**	**($7,391)**	**$42,516**	**$44,987**

Cumulative (over) / under recovery	**Cumulative**	Total Residential	Commercial	Industrial	**Total**
Balance ending February 2021	$173,595	91,878	9,063	72,654	173,595
March 2021 - actual	164,763	(14,575)	(29,089)	34,832	(8,832)
April 2021 - actual	179,864	(2,281)	(20,080)	37,462	15,101
May 2021 - actual	197,477	(1,273)	(19,497)	38,383	17,613
June 2021 - actual	227,799	4,764	(15,382)	40,940	30,322
July 2021 - actual	285,295	16,483	(4,987)	46,000	57,496
August 2021 - actual	330,282	9,862	(7,391)	42,516	44,987
September 2021 - forecast	415,475	38,954	28,113	18,126	85,193
October 2021 - forecast	502,775	39,918	28,808	18,574	87,300
November 2021 - forecast	591,447	40,545	29,261	18,866	88,672
December 2021 - forecast	677,745	39,459	28,478	18,361	86,298
January 2022 - forecast	763,264	39,103	28,221	18,195	85,519
February 2022 - forecast	848,798	39,109	28,226	18,199	85,534
March 2022 - forecast	926,525	35,540	25,649	16,538	77,727
April 2022 - forecast	1,018,553	42,079	30,369	19,580	92,028
May 2022 - forecast	1,111,396	42,451	30,638	19,754	92,843
June 2022 - forecast	$1,201,739	41,308	29,813	19,222	90,343
		503,324	200,213	498,202	1,201,739

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of 1.887 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .465 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/21 approved residential rate of .005 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .003 and RECD 5% discount.

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Duke Energy Progress
Fuel and Fuel Related Cost Report
AUGUST 2021

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$6,201,085	$13,732,998	-	-	-	-	-
Oil	80,294	240,452	-	-	-	-	-
Gas - CC	-	-	$9,972,155	$17,172,442	$14,755,154	$19,443,248	-
Gas - CT	-	-	1,002,462	10,157,542	489,650	-	-
Biogas	-	-	-	80,971	-	-	-
Total	$6,281,379	$13,973,450	$10,974,617	$27,410,955	$15,244,804	$19,443,248	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	330.49	318.50	-	-	-	-	-
Oil	1,566.71	1,566.46	-	-	-	-	-
Gas - CC	-	-	487.14	398.85	507.12	447.43	-
Gas - CT	-	-	416.19	389.76	541.38	-	-
Biogas	-	-	-	2,980.16	-	-	-
Weighted Average	333.85	322.93	479.67	396.44	508.15	447.43	-
Cost of Fuel Burned ($)							
Coal	$9,552,177	$26,398,792	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	81,030	236,141	$2,910,398	$3,213	-	-	-
Gas - CC	-	-	9,972,155	17,172,442	$14,755,154	$19,443,248	-
Gas - CT	-	-	1,002,462	10,157,542	489,650	-	-
Biogas	-	-	-	80,971	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	$9,633,207	$26,634,933	$13,885,015	$27,414,168	$15,244,804	$19,443,248	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	343.48	316.78	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	866.08	1,466.71	1,566.20	1,664.77	-	-	-
Gas - CC	-	-	487.14	398.85	507.12	447.43	-
Gas - CT	-	-	416.19	389.76	541.38	-	-
Biogas	-	-	-	2,980.16	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	345.23	319.00	561.29	396.47	508.15	447.43	-
Average Cost of Generation (¢/kWh)							
Coal	4.03	3.56	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	10.15	16.10	16.86	19.50	-	-	-
Gas - CC	-	-	3.06	2.24	3.70	3.20	-
Gas - CT	-	-	4.45	8.00	5.51	-	-
Biogas	-	-	-	20.21	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	4.05	3.58	3.79	3.06	3.74	3.20	-
Burned MBTU's							
Coal	2,781,004	8,333,519	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	9,356	16,100	185,825	193	-	-	-
Gas - CC	-	-	2,047,066	4,305,485	2,909,586	4,345,520	-
Gas - CT	-	-	240,866	2,606,134	90,445	-	-
Biogas	-	-	-	2,717	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	2,790,360	8,349,619	2,473,757	6,914,529	3,000,031	4,345,520	-
Net Generation (mWh)							
Coal	237,194	742,332	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	798	1,466	17,258	16	-	-	(28)
Gas - CC	-	-	326,353	767,117	398,737	608,469	-
Gas - CT	-	-	22,552	126,907	8,888	-	-
Biogas	-	-	-	401	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	237,992	743,798	366,163	894,441	407,625	608,469	(28)
Cost of Reagents Consumed ($)							
Ammonia	$99,778	$303,169	-	$30,222	-	-	-
Limestone	483,987	1,062,566	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	249,275	389,168	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	$833,040	$1,754,903	-	$30,222	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

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Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME AUGUST 2021
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$19,934,083	$232,598,214
Oil	-	-	$184	-	-	-	320,930	6,909,928
Gas - CC	-	-	-	-	-	-	61,342,999	589,014,978
Gas - CT	$143,276	$1,121,790	24	-	-	-	12,914,744	67,283,509
Biogas	-	-	-	-	-	-	80,971	3,772,981
Total	$143,276	$1,121,790	$208	-	-	-	$94,593,727	$899,579,610
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	322.14	334.30
Oil	-	-	-	-	-	-	1,567.42	1,374.90
Gas - CC	-	-	-	-	-	-	450.80	413.98
Gas - CT	412.13	394.67	-	-	-	-	396.59	372.42
Biogas	-	-	-	-	-	-	2,980.16	2,864.55
Weighted Average	412.13	394.67	-	-	-	-	409.93	390.17
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$35,950,969	$298,221,606
Oil - CC	-	-	-	-	-	-	-	4,245
Oil - Steam/CT	$98,766	$5,745	$62,256	-	-	-	3,397,549	17,654,127
Gas - CC	-	-	-	-	-	-	61,342,999	589,014,978
Gas - CT	143,276	1,121,790	24	-	-	-	12,914,744	67,283,509
Biogas	-	-	-	-	-	-	80,971	3,772,981
Nuclear	-	-	-	$8,085,827	$4,509,475	$3,431,993	16,027,295	172,345,925
Total	$242,042	$1,127,535	$62,280	$8,085,827	$4,509,475	$3,431,993	$129,714,527	$1,148,297,370
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	323.46	333.24
Oil - CC	-	-	-	-	-	-	-	1,572.22
Oil - Steam/CT	1,721.56	1,740.91	1,659.28	-	-	-	1,535.32	1,510.42
Gas - CC	-	-	-	-	-	-	450.80	413.98
Gas - CT	412.13	394.67	-	-	-	-	396.59	372.42
Biogas	-	-	-	-	-	-	2,980.16	2,864.55
Nuclear	-	-	-	54.86	60.30	57.90	56.95	56.64
Weighted Average	597.61	396.23	1,659.91	54.86	60.30	57.90	230.21	206.74
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.67	3.86
Oil - CC	-	-	-	-	-	-	-	15.74
Oil - Steam/CT	23.07	20.00	37.50	-	-	-	16.87	22.26
Gas - CC	-	-	-	-	-	-	2.92	2.95
Gas - CT	5.50	4.55	-	-	-	-	6.96	4.24
Biogas	-	-	-	-	-	-	20.21	20.69
Nuclear	-	-	-	0.58	0.63	0.61	0.60	0.59
Weighted Average	7.98	4.57	37.52	0.58	0.63	0.61	2.15	1.92
Burned MBTU's								
Coal	-	-	-	-	-	-	11,114,523	89,490,230
Oil - CC	-	-	-	-	-	-	-	270
Oil - Steam/CT	5,737	330	3,752	-	-	-	221,293	1,168,820
Gas - CC	-	-	-	-	-	-	13,607,657	142,281,349
Gas - CT	34,765	284,235	-	-	-	-	3,256,445	18,066,782
Biogas	-	-	-	-	-	-	2,717	131,713
Nuclear	-	-	-	14,738,656	7,478,937	5,926,939	28,144,532	304,296,756
Total	40,502	284,565	3,752	14,738,656	7,478,937	5,926,939	56,347,167	555,435,920
Net Generation (mWh)								
Coal	-	-	-	-	-	-	979,526	7,720,828
Oil - CC	-	-	-	-	-	-	-	27
Oil - Steam/CT	428	29	166	-	-	-	20,134	79,326
Gas - CC	-	-	-	-	-	-	2,100,676	19,977,731
Gas - CT	2,607	24,662	-	-	-	-	185,615	1,587,002
Biogas	-	-	-	-	-	-	401	18,237
Nuclear	-	-	-	1,386,221	719,843	564,832	2,670,896	29,206,719
Hydro (Total System)							47,012	863,095
Solar (Total System)							23,163	247,742
Total	3,035	24,691	166	1,386,221	719,843	564,832	6,027,423	59,700,708
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$433,169	$2,464,440
Limestone	-	-	-	-	-	-	1,546,553	9,949,470
Re-emission Chemical	-	-	-	-	-	-	-	69,146
Sorbents	-	-	-	-	-	-	638,443	3,568,333
Urea	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	$2,618,165	$16,051,389

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Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
AUGUST 2021

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	116,882	439,244	-	-	-	-	-
Tons received during period	73,496	169,034	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	107,329	330,489	-	-	-	-	-
Ending balance	83,049	277,789	-	-	-	-	-
MBTUs per ton burned	25.91	25.22	-	-	-	-	-
Cost of ending inventory ($/ton)	89.00	79.87	-	-	-	-	-
Oil Data:							
Beginning balance	249,888	382,240	4,474,984	6,659,092	2,450,460	-	693,454
Gallons received during period	37,138	111,234	-	-	-	-	-
Miscellaneous use and adjustments	(1,226)	(14,864)	0	-	-	-	-
Gallons burned during period	38,099	117,038	1,351,943	1,380	-	-	-
Ending balance	247,701	361,572	3,123,041	6,657,712	2,450,460	-	693,454
Cost of ending inventory ($/gal)	2.01	2.02	2.15	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,215,091	6,677,209	2,898,443	4,198,377	-
MCF burned during period	-	-	2,215,091	6,677,209	2,898,443	4,198,377	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	2,625	-	-	-
MCF burned during period	-	-	-	2,625	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	11,504	35,003	-	-	-	-	-
Tons received during period	7,435	8,630	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	7,263	17,463	-	-	-	-	-
Ending balance	11,676	26,170	-	-	-	-	-
Cost of ending inventory ($/ton)	66.91	58.77	-	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

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Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
AUGUST 2021

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME August 2021
Coal Data:								
Beginning balance	-	-	-	-	-	-	556,126	1,038,142
Tons received during period	-	-	-	-	-	-	242,530	2,765,913
Inventory adjustments	-	-	-	-	-	-	-	132,593
Tons burned during period	-	-	-	-	-	-	437,818	3,575,810
Ending balance	-	-	-	-	-	-	360,838	360,838
MBTUs per ton burned	-	-	-	-	-	-	25.39	25.03
Cost of ending inventory ($/ton)	-	-	-	-	-	-	81.97	81.97
Oil Data:								
Beginning balance	9,827,787	9,519,903	423,219	117,269	250,015	14,794	35,063,105	38,632,539
Gallons received during period	-	-	-	-	-	-	148,372	3,641,841
Miscellaneous use and adjustments	-	-	-	-	-	-	(16,090)	(137,681)
Gallons burned during period	41,271	2,393	26,802	-	-	-	1,578,926	8,520,238
Ending balance	9,786,516	9,517,510	396,417	117,269	250,015	14,794	33,616,461	33,616,461
Cost of ending inventory ($/gal)	2.39	2.40	2.32	2.31	2.31	2.31	2.38	2.38
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	33,766	274,614	-	-	-	-	16,297,500	155,014,798
MCF burned during period	33,766	274,614	-	-	-	-	16,297,500	155,014,798
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	2,625	127,371
MCF burned during period	-	-	-	-	-	-	2,625	127,371
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	46,507	89,382
Tons received during period	-	-	-	-	-	-	16,065	119,927
Inventory adjustments	-	-	-	-	-	-	-	13,209
Tons consumed during period	-	-	-	-	-	-	24,726	184,672
Ending balance	-	-	-	-	-	-	37,846	37,846
Cost of ending inventory ($/ton)	-	-	-	-	-	-	61.28	61.28

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Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

AUGUST 2021

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	48,850	$ 4,186,387	$ 85.70
	CONTRACT	24,646	1,888,084	76.61
	FIXED TRANSPORTATION/ADJUSTMENTS	-	126,614	-
	TOTAL	73,496	$ 6,201,085	84.37
ROXBORO	SPOT	119,759	$ 9,392,699	$ 78.43
	CONTRACT	49,275	3,949,294	80.15
	FIXED TRANSPORTATION/ADJUSTMENTS	-	391,005	-
	TOTAL	169,034	$ 13,732,998	$ 81.24
ALL PLANTS	SPOT	168,609	$ 13,579,086	$ 80.54
	CONTRACT	73,921	5,837,378	78.97
	FIXED TRANSPORTATION/ADJUSTMENTS	-	517,619	-
	TOTAL	242,530	$ 19,934,083	$ 82.19

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Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

AUGUST 2021

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	5.98	9.86	12,765	2.11
ROXBORO	6.53	8.77	12,754	2.09

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DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
AUGUST 2021

	MAYO	ROXBORO
VENDOR	Indigo	Indigo
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	37,138	111,234
TOTAL DELIVERED COST	$ 80,294	$ 240,452
DELIVERED COST/GALLON	$ 2.16	$ 2.16
BTU/GALLON	138,000	138,000

Notes:
Motor Fuel taxes of $184 for the Weatherspoon station are excluded.

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